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1-13. (CANCELED)

14. (NEW) A thermal camouflage tarpaulin for hiding a heat source against detection in a thermal image, the tarpaulin comprising;

 a base textile having a first side and a second opposite side, the textile being one of a loop knitted or a woven glass fabric;

 a compound containing IR pigments is supported on the first side of the base textile, the compound having reflectance values in one or more of a region of a visual camouflage and an infrared region; and

 a free-standing polyester film is fixed to the second opposite side of the base textile, and an exposed face of the free-standing polyester film has a vapor-deposited coating defining an outer surface of the thermal camouflage tarpaulin which directly reflects thermal radiation.

15. (NEW) The thermal camouflage tarpaulin according to claim 14, wherein the vapor-deposited coating is aluminum.

16. (NEW) The thermal camouflage tarpaulin according to claim 14, wherein an adhesive layer connects the free-standing polyester film to the base textile.

17. (NEW) The thermal camouflage tarpaulin according to claim 16, wherein the adhesive layer comprises polyurethane.

18. (NEW) The thermal camouflage tarpaulin according to claim 16, wherein the adhesive layer comprises silicone.

19. (NEW) The thermal camouflage tarpaulin according to claim 16, wherein the adhesive layer has a basis weight of approximately between 40 and 80 g/m².

20. (NEW) The thermal camouflage tarpaulin according to claim 19, wherein the adhesive layer has a basis weight of approximately between 50 and 60 g/m².

21. (NEW) The thermal camouflage tarpaulin according to claim 14, wherein the compound comprises polyurethane polymers which include metal pigments.

22. (NEW) The thermal camouflage tarpaulin according to claim 14, wherein the compound comprises silicone elastomers which include metal pigments.

23. (NEW) The thermal camouflage tarpaulin according to claim 21, wherein the compound has a basis weight in a range from 60 to 120 g/m².

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24. (NEW) The thermal camouflage tarpaulin according to claim 23, wherein the compound has a basis weight in a range from 80 to 100 g/m².

25. (NEW) The thermal camouflage tarpaulin according to claim 14, wherein the base textile has a basis weight in the range from 250 to 500 g/m² and preferably 400 g/m².

26. (NEW) The thermal camouflage tarpaulin according to claim 14, wherein said base textile comprises woven glass fabric in cross twill construction.

27. (NEW) The thermal camouflage tarpaulin according to claim 14, wherein the base textile has a basis weight of about 400 g/m².

28. (NEW) The thermal camouflage tarpaulin according to claim 14, wherein the tarpaulin has a reflectivity of both solar radiation and thermal radiation above approximately 80%.

29. (NEW) A thermal camouflage tarpaulin for hiding a heat source against detection in a thermal image, the tarpaulin comprising;

 a base textile having a first side and a second side, the textile being one of a loop knitted or a woven glass fabric;

 a compound applied solely to the first side of the base textile, the compound comprising;

 one of polyurethane and silicone elastomers;

 metal IR pigments provided in the compound having reflectance values in one or more of a region of a visual camouflage and an infrared region; and

 a free-standing polyester film is affixed to the second side of the base textile, and an exposed face of the free-standing polyester film has a vapor-deposited aluminum coating defining an outer surface of the thermal camouflage tarpaulin which directly reflects thermal radiation.

30. (NEW) A thermal camouflage tarpaulin for hiding a heat source against detection in a thermal image, the tarpaulin comprising;

 a base textile being one of a loop knitted or a woven glass fabric;

 an inner side to be placed immediately adjacent the heat source and an outer side to be placed remote from the heat source;

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the outer side of the thermal camouflage tarpaulin comprising a compound applied solely to the outer side of the base textile, the compound comprising;

one of polyurethane and silicone elastomers;

metal IR pigments provided in the compound having reflectance values in one or more of a region of a visual camouflage and an infrared region; and
the inner side comprising;

a free-standing polyester film affixed to the base textile, and a face of the free-standing polyester film has a vapor-deposited aluminum coating defining an exposed surface of the thermal camouflage tarpaulin;

wherein the exposed surface of the vapor-deposited aluminum coating on the inner side of the thermal camouflage tarpaulin is positioned immediately adjacent the heat source so as to directly reflect thermal radiation from the heat source.